FIG. 1

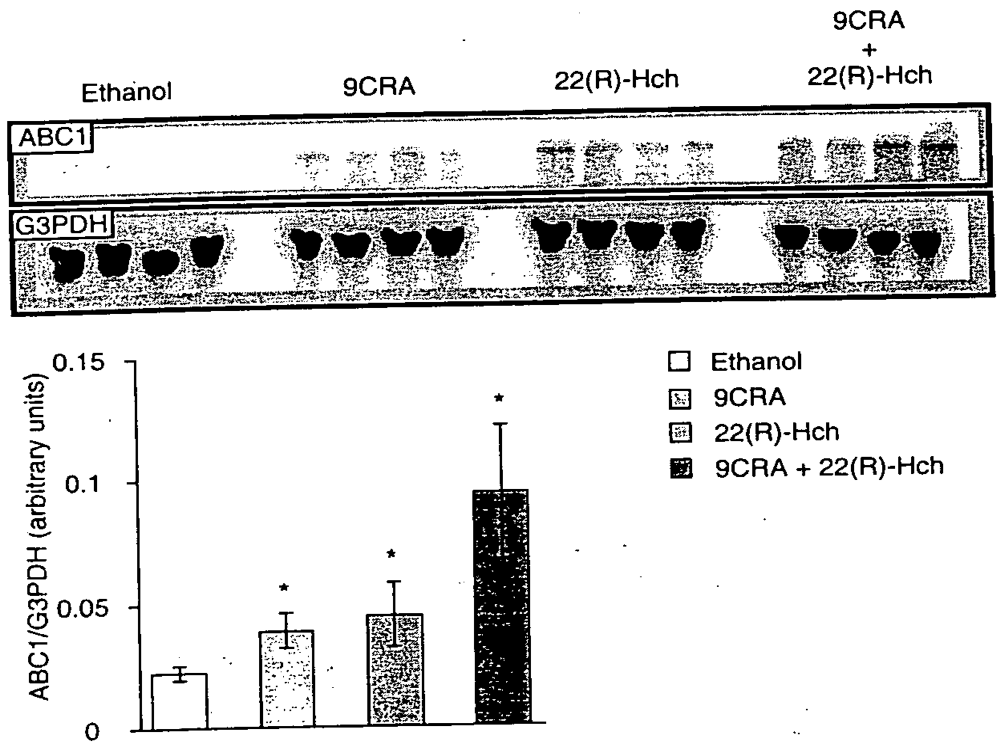


FIG. 2A

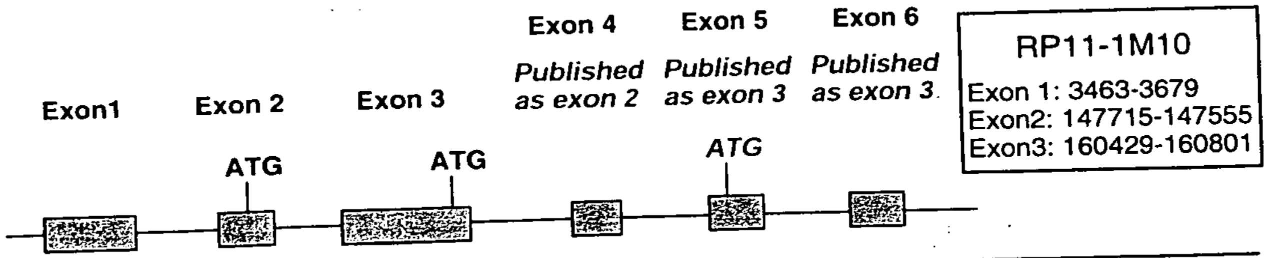


FIG. 2B

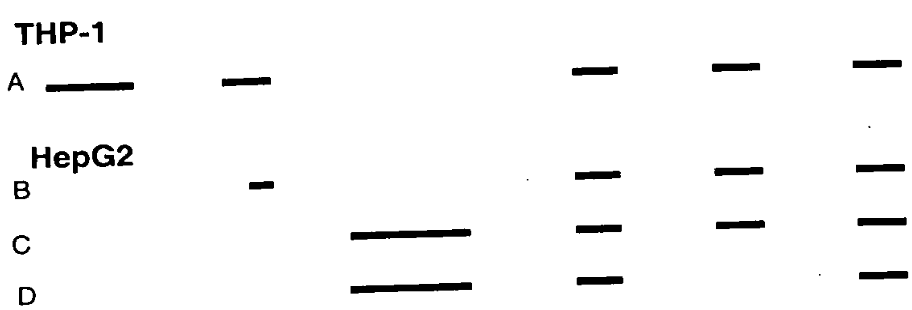


FIG. 2C

```
                                   1                        22                              61
A, B  MACWPQLRVLLWKNLTFRRRQTCQLLLEVAWPLFIFLILISVRLSYPPYEQHECHFPNKAM
                        C, D  MCQLLLEVAWPLFIFLILISVRLSYPPYEQHECHFPNKAM
```

tBlastn result: Alignment between hABC1 and hABCR.
Identical = 32/56 (57%), conservative = 12/56 (21%)

```
hABC1   6QLRVLLWKNLTFRRRQTCQLLLEVAWPLFIFLILISVRLSYPPYEQHECHFPNKAM 61
hABCR   6QIQLLLWKNWTLRKRQKIRFVVELVWPLSLFLVLIWLRNANPLYSHHECHFPNKAM 61
```

tBlastn result: Aligment between hABC1 and hABC3.
Identical = 20/44 (45%), conservative = 7/44 (16%)

```
hABC1   1MACWPQLRVLLWKNLTFRRRQTCQLLLEVAWPLFIFLILISVRL 44
hABC3   1MAVLRQLALLLWKNYTLQKRKVLVTVLELFLPLLFSGILIWLRL 44
```

FIG. 3

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 4

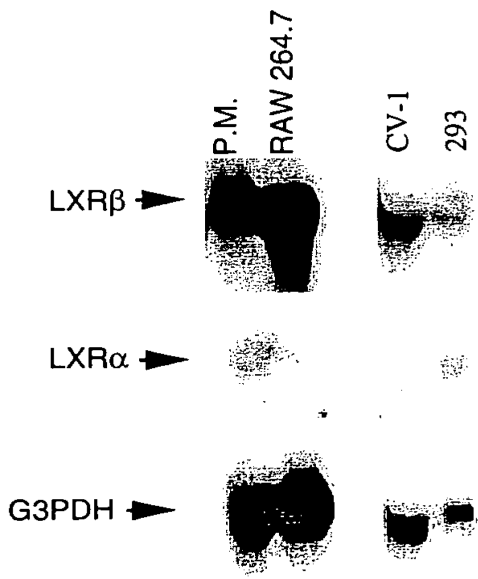


FIG. 5A

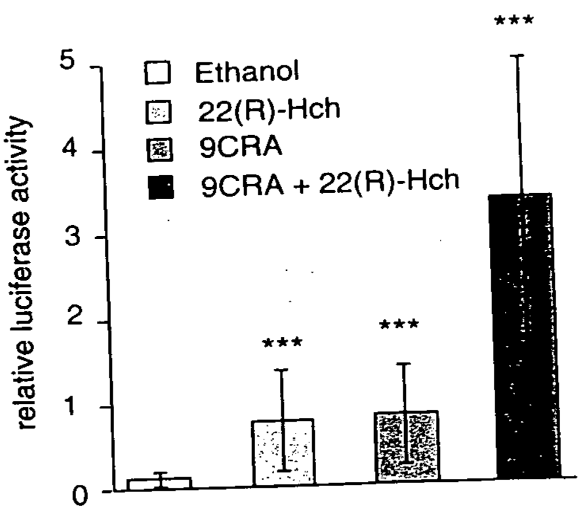
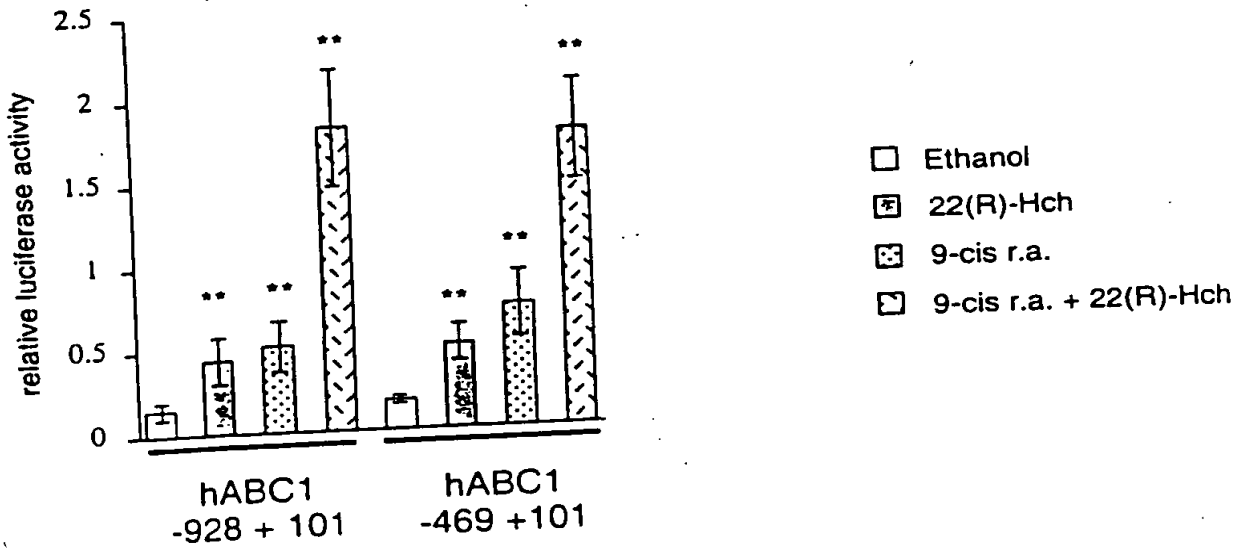


FIG. 5B


relative luciferase activity
2.5
2
1.5
1
0.5
0
**
hABC1
-928 + 101
hABC1
-469 +101
Ethanol
22(R)-Hch
9-cis r.a.
9-cis r.a. + 22(R)-Hch

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

FIG. 5C

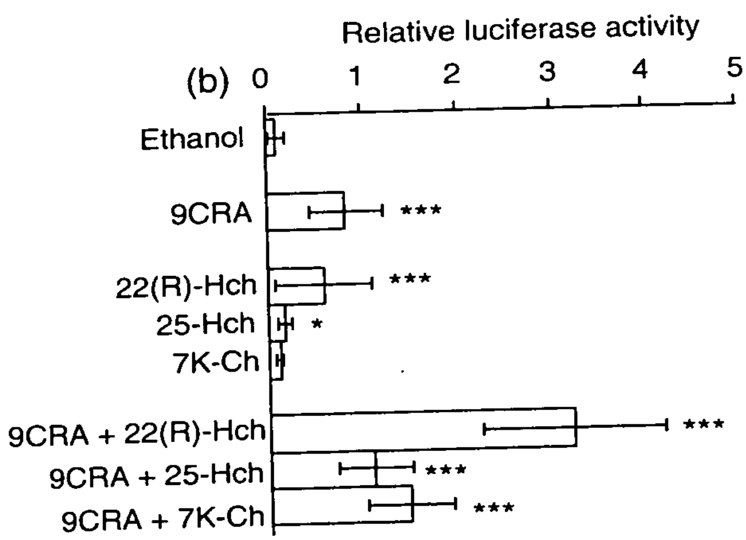


FIG. 6A

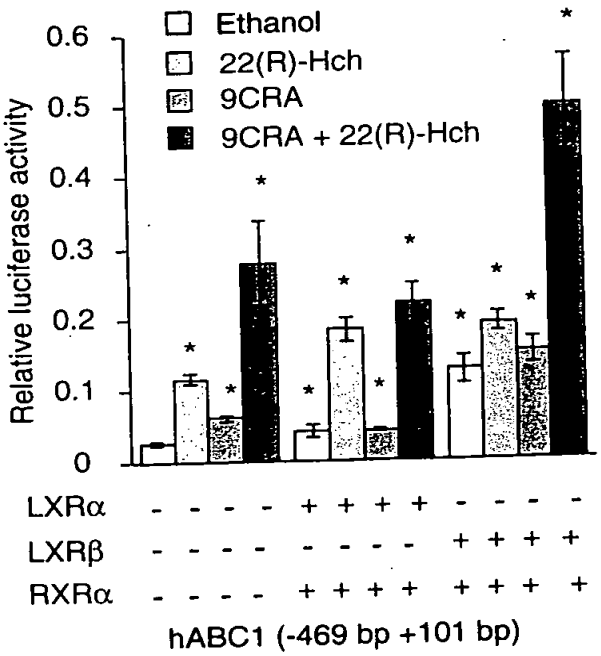

Ethanol
22(R)-Hch
9CRA
9CRA + 22(R)-Hch
Relative luciferase activity
0.6
0.5
0.4
0.3
0.2
0.1
0
LXRα - - - - + + + + - - - -
LXRβ - - - - - - - - + + + +
RXRα - - - - + + + + + + + +
hABC1 (-469 bp +101 bp)

FIG. 6B

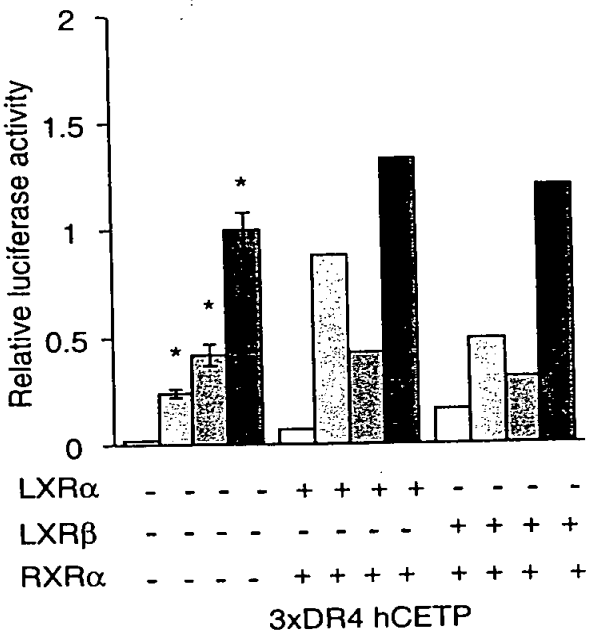

Relative luciferase activity
2
1.5
1
0.5
0
LXRα - - - - + + + + - - - -
LXRβ - - - - - - - - + + + +
RXRα - - - - + + + + + + + +
3xDR4 hCETP

FIG. 7

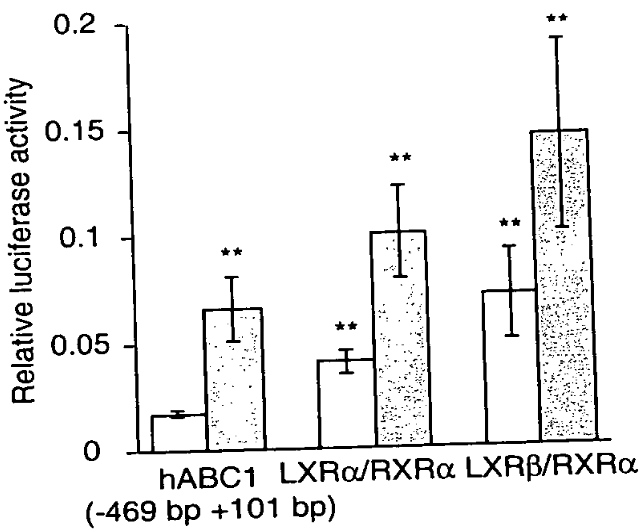
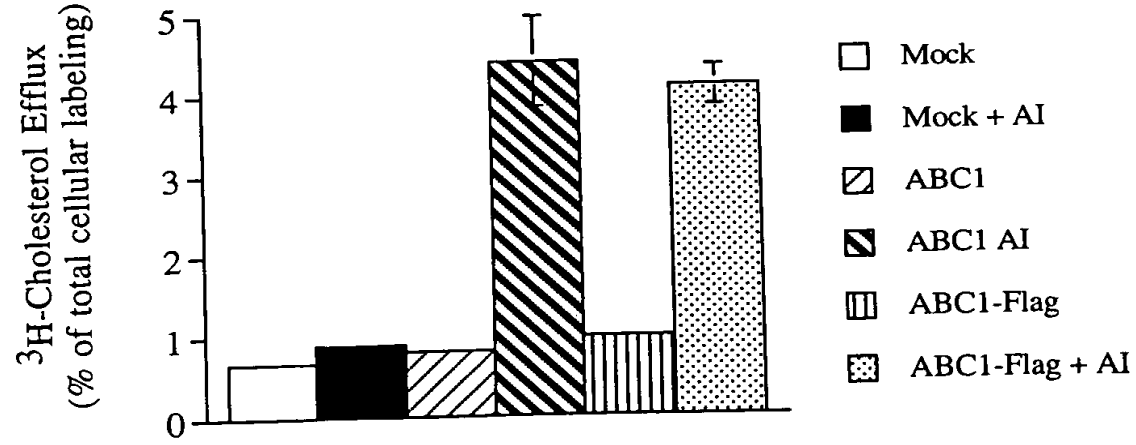


FIG. 8A

ABC1-T: 61 MPSAGT--- (Genebank Accession: X75926; the methionine 61 here was originally designated as the start methionine. This version of cDNA is inactive in stimulating cholesterol efflux.)

FIG. 8B



ABC1: 1 MACWPQLRLLLWKNLTFRRRQTCQLLLEVA
31 WPLFIFLILISVRLSWPPYEQHECHFPNKA
61 MPSAGT---